

## EAST Search History

| Ref # | Hits | Search Query  | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|------|---|---|------------------|---------|---------------------|
| L1    | 95   | (((((fail failure failed error erroneous failing bad defect\$3) with address) same stor\$3) and (replac \$5 with (redundant near5 group\$1))) and word and bit and memory   | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/31<br>23:17 |
| L2    | 70   | (((((fail failure failed error erroneous failing bad defect\$3) with address) same stor\$3) and (replac \$5 with (redundant near5 group\$1))) and word and bit and memory and (714/710.ccls. 714/711.ccls. "714" "718".ccls. 714/719.ccls. 714/723.ccls. 365/200.ccls. 365/201.ccls.) | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/31<br>23:18 |
| L3    | 72   | (((((fail failure failed error erroneous failing bad defect\$3) with address) same stor\$3) and (replac \$5 with (redundant near5 group\$1))) and word and bit and memory and (714/710.ccls. 714/711.ccls. 714/718.ccls. 714/719.ccls. 714/723.ccls. 365/200.ccls. 365/201.ccls.)     | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/05/31<br>23:19 |

|    |         |  |   |    |    |                  |
|----|---------|--|---|----|----|------------------|
| L4 | 23      | ((fail failure failed error erroneous failing bad defect\$3) adj address\$2) with stor\$3) same (replace\$4 with redundant) and (reduc\$4 with (defect \$4 adj memory))  | US-PGPUB; USPAT                               | OR | ON | 2008/05/31 23:19 |
| L5 | 0       | ((fail failure failed error erroneous failing bad defect\$3) adj address\$2) with stor\$3) same (replace\$4 with redundant) and (reduc\$4 with (defect \$4 adj memory)). clm.  | US-PGPUB; USPAT                               | OR | ON | 2008/05/31 23:20 |
| L6 | 729080  | ((fail failure failed error erroneous failing bad defect\$3) adj address\$2) with stor\$3) same (replace\$4 with redundant) and (reduc\$4 with (defect \$4 adj memory)). clm. fail failure failed error erroneous failing bad defect\$3  | US-PGPUB                                      | OR | ON | 2008/05/31 23:20 |
| L7 | 0       | ((fail failure failed error erroneous failing bad defect\$3) adj address\$2) with stor\$3) same (replace\$4 with redundant) and (reduc\$4 with (defect \$4 adj memory)). clm. and (714/710. ccls. 714/711.ccls. 714/718.ccls. 714/719.ccls. 714/723.ccls. 365/200.ccls. 365/201.ccls.) | US-PGPUB                                      | OR | ON | 2008/05/31 23:21 |
| S1 | 2108330 | (defect\$4 error fault) address  | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2006/03/20 18:55 |

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|----|-------|---|---|----|----|---------------------|
| S2 | 39995 | (defect\$4 error fault) with address  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/20<br>18:55 |
| S3 | 2483  | ((defect\$4 error fault) with address) and (replac\$5 with redundant)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/20<br>18:57 |
| S4 | 1418  | ((defect\$4 error fault) with address) same stor\$3) and (replac\$5 with redundant)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/20<br>18:59 |
| S5 | 1109  | ((defect\$4 error fault) with address) same stor\$3) and (replac\$5 with redundant)) and word and bit and memory  | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/20<br>18:59 |
| S6 | 72    | ((defect\$4 error fault) with address) same stor\$3) and (replac\$5 with (redundant near5 group\$1))) and word and bit and memory   | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/03/21<br>16:43 |
| S7 | 50    | "5953745"<br>"5966335"<br>"6741509"<br>"5233559"<br>"5289416"<br>"5299202"<br>"5305265"<br>"5416740"<br>"5483490"<br>"5509018"<br>"5517458"<br>"5544106"<br>"5546402"<br>"5654925"<br>"5844910"<br>"5907511"<br>"5914907"<br>"6079037"<br>"6118710"<br>"6167541"<br>"6262924"<br>"6442719"<br>"6532182" | USPAT   | OR | ON | 2006/03/21<br>15:56 |

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|-----|------|--|---|----|----|------------------|
|     |      | "6539505"<br>"6552939"<br>"6816419"<br>"6853596"<br>"6956778"<br>"6246617"<br>"5717696"<br>"6242936"<br>"5241212"<br>"5351214"<br>"5359561"<br>"5539694"<br>"5578861"<br>"5602044"<br>"5748545"<br>"5888851"<br>"6324106"<br>"6462995"<br>"6721215"<br>"6862234"<br>"5764878"<br>"4939694"<br>"6085334"<br>"6141768"<br>"4984205"<br>"5377146"<br>"5673227").pn. |   |    |    |                  |
| S9  | 20   | ((defect\$4 error fault) adj address\$2) same stor\$3) and (replac\$5 with (redundant near5 group\$1))) and word and bit and memory  | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON | 2007/12/10 04:06 |
| S10 | 1007 | (defect\$4 adj address\$2) same stor \$3   | US-PGPUB; USPAT                               | OR | ON | 2006/03/21 19:10 |
| S11 | 852  | (defect\$4 adj address\$2) with stor \$3   | US-PGPUB; USPAT                               | OR | ON | 2007/12/10 03:29 |
| S12 | 131  | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant)  | US-PGPUB; USPAT                               | OR | ON | 2006/03/21 19:11 |
| S13 | 0    | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and reduc44  | US-PGPUB; USPAT                               | OR | ON | 2006/03/21 19:11 |

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|-----|----|--|-----------------|----|-----|------------------|
| S14 | 98 | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and reduc\$4   | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:12 |
| S15 | 81 | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size or memory))   | US-PGPUB; USPAT | OR | ON  | 2007/12/10 03:29 |
| S16 | 0  | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size with (defect\$4 adj memory)))                             | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:13 |
| S17 | 14 | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (defect \$4 adj memory))  | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:14 |
| S18 | 20 | S15 and "714"  | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:20 |
| S19 | 0  | 714/710.ccls and S15   | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:22 |
| S20 | 0  | 714/711.ccls and S15   | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:22 |
| S21 | 0  | 714/**.ccls and S15  | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:22 |
| S22 | 0  | "714"/.ccls and S15  | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:22 |
| S23 | 20 | "714" and S15  | US-PGPUB; USPAT | OR | ON  | 2006/03/21 19:22 |
| S24 | 8  | (US-20030009615-\$ or US-20010045581-\$ or US-20010026486-\$).did. or (US-6236615-\$ or US-6115301-\$ or US-5798974-\$ or US-6367030-\$ or US-5808945-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/03/22 12:37 |
| S25 | 0  | S24 and overflow   | USPAT           | OR | OFF | 2006/03/22 12:37 |

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| S26 | 72   | (((((defect\$4 error fault) with address \$2) same stor\$3) and (replac\$5 with (redundant near5 group\$1))) and word and bit and memory | US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB | OR | ON  | 2006/03/22 12:40 |
| S27 | 6    | "6145092"  | USPAT   | OR | OFF | 2006/03/22 13:43 |
| S28 | 0    | replacement adj register with overflow   | USPAT   | OR | OFF | 2006/03/22 17:27 |
| S29 | 1    | replacement adj register with overflow   | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:27 |
| S30 | 2    | replacement adj register same overflow   | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:32 |
| S31 | 4262 | overflow with memory   | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:29 |
| S32 | 2339 | overflow near3 memory  | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:29 |
| S33 | 438  | overflow adj memory  | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:29 |
| S34 | 617  | memory adj overflow  | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:29 |
| S35 | 76   | S33 and redundant  | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:30 |
| S36 | 59   | S33 and redundant and register   | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:30 |
| S37 | 7127 | register same overflow   | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:33 |
| S38 | 4121 | register with overflow   | US-PGPUB; USPAT                               | OR | OFF | 2006/03/22 17:33 |
| S39 | 1    | (((((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size or memory))) and overflow        | US-PGPUB; USPAT                               | OR | ON  | 2006/12/01 18:49 |

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|-----|----|--|-----------------|----|-----|------------------|
| S40 | 8  | (US-20030009615-\$ or US-20010045581-\$ or US-20010026486-\$).did. or (US-6236615-\$ or US-6115301-\$ or US-5798974-\$ or US-6367030-\$ or US-5808945-\$).did. | US-PGPUB; USPAT | OR | OFF | 2006/03/22 18:32 |
| S41 | 6  | S40 and compar\$4  | US-PGPUB; USPAT | OR | ON  | 2006/03/22 18:33 |
| S42 | 2  | S40 and comparator   | US-PGPUB; USPAT | OR | ON  | 2006/03/22 18:33 |
| S43 | 4  | "6115301" and test \$3   | USPAT           | OR | OFF | 2006/08/02 17:32 |
| S44 | 1  | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size or memory))) and overflow                                 | US-PGPUB; USPAT | OR | ON  | 2006/12/01 18:49 |
| S45 | 92 | ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size or memory))   | US-PGPUB; USPAT | OR | ON  | 2006/12/01 18:49 |
| S46 | 12 | "714"/\$.ccls. and ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size or memory))                            | US-PGPUB; USPAT | OR | ON  | 2006/12/01 18:49 |
| S47 | 2  | 714/718.ccls. and ((defect\$4 adj address\$2) with stor \$3) same (replace\$4 with redundant) and (reduc\$4 with (size or memory))                             | US-PGPUB; USPAT | OR | ON  | 2006/12/01 18:49 |
| S48 | 19 | "6115828"  | USPAT           | OR | OFF | 2007/05/16 20:30 |
| S49 | 7  | "6115828" and count \$3  | USPAT           | OR | OFF | 2007/05/16 20:30 |
| S50 | 17 | "6065141"  | USPAT           | OR | OFF | 2007/05/16 20:33 |

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|-----|-----|---|---|----|----|---------------------|
| S51 | 301 | (redundan\$1 same (word adj line) same (bit adj line)) and counter  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>14:59 |
| S52 | 46  | "714"/\$.ccls. and (redundan\$1 same (word adj line) same (bit adj line)) and counter   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/12/10<br>03:28 |
| S53 | 93  | "714"/\$.ccls. and (redundan\$1 same (word adj line) same (bit adj line)) and (defect\$3 near3 (memory adj cells))                | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:08 |
| S54 | 1   | "714"/\$.ccls. and (redundan\$1 same (word adj line) same (bit adj line)) and ((defect\$3 near3 (memory adj cells)) same exceeds) | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:10 |
| S55 | 51  | "714"/\$.ccls. and ((defect\$3 near3 (memory adj cells)) same exceeds)  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:15 |
| S56 | 3   | "714"/\$.ccls. and ((defect\$3 near3 (memory adj cells)) same exceeds) and redundancy and bit adj line\$1 and word adj line\$1    | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:18 |
| S57 | 14  | "714"/\$.ccls. and ((defect\$3 near3 (memory adj cells)) same exceeds) and redundancy   | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:17 |
| S58 | 44  | "714"/\$.ccls. and ((defect\$3 near3 (memory adj cells)) same exceeds) and redundan\$2  | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:18 |



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|-----|-----|---|---|----|----|---------------------|
| S59 | 3   | "714"/\$.cls. and<br>((defect\$3 near3<br>(memory adj cells)<br>same exceeds) and<br>redundan\$2 and bit<br>adj line\$1 and word<br>adj line\$1                         | US-PGPUB;<br>USPAT; USOCR;<br>FPRS; EPO;<br>JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/05/17<br>16:18 |
| S60 | 106 | ((defect\$4 adj<br>address\$2) with stor<br>\$3) same (replace\$4<br>with redundant) and<br>(reduc\$4 with (size<br>or memory))   | US-PGPUB;<br>USPAT  | OR | ON | 2007/12/10<br>04:06 |
| S61 | 115 | ((defect\$4 adj<br>address\$2) with (sav<br>\$4 stor\$3)) same<br>(replac\$5 with<br>redundant) and<br>(reduc\$4 with (size<br>or memory))                              | US-PGPUB;<br>USPAT  | OR | ON | 2007/12/10<br>04:07 |
| S62 | 28  | (((((defect\$4 error<br>fault) adj address\$2)<br>same stor\$3) and<br>(replac\$5 with<br>(redundant near5<br>group\$1))) and<br>word and bit and<br>memory             | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB               | OR | ON | 2007/12/10<br>04:07 |
| S63 | 124 | ((defect\$4 adj<br>address\$2) with stor<br>\$3) same ((repair\$4<br>replace\$4) with<br>redundant) and<br>(reduc\$4 with (size<br>or memory))                          | US-PGPUB;<br>USPAT  | OR | ON | 2007/12/10<br>04:06 |
| S64 | 32  | (((((defect\$4 error<br>fault) adj address\$2)<br>same stor\$3) and<br>((repair\$4 replac\$5)<br>with (redundant<br>near5 group\$1)))<br>and word and bit<br>and memory | US-PGPUB;<br>USPAT; USOCR;<br>EPO;<br>DERWENT;<br>IBM_TDB               | OR | ON | 2007/12/10<br>04:07 |
| S65 | 131 | ((defect\$4 adj<br>address\$2) with (sav<br>\$4 stor\$3)) same<br>((repair\$4 replac\$5)<br>with redundant) and<br>(reduc\$4 with (size<br>or memory))                  | US-PGPUB;<br>USPAT  | OR | ON | 2007/12/10<br>04:07 |

5/31/08 11:22:03 PM

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